

Amendments to the Claims

The claims appearing in the following listing replace all prior versions and listings of claims in the application.

Listing of Claims

Claim 1. (currently amended) An aviation turbine oil lubricant composition exhibiting enhanced load-carrying capacity and oxidative/ corrosion stability said lubricant composition comprising a major portion of:

a) a synthetic ester based base stock which is the esterification product of an aliphatic polyol containing 4 to 15 carbon atoms and from 2 to 8 esterifiable hydroxyl groups reacted with a carboxylic acid containing 4 to 12 carbon atoms;

and a minor portion of:

b) 3-(di-isobutoxy-thiophosphonylsulfanyl)-2-methyl-propionic acid (DITMPA); and

c) tolutriazole

wherein the DITMPA comprises from about 0.03 to about 0.10 weight percent of the fully formulated lubricating oil composition and the tolutriazole comprises from about 0.05 to about 0.10 weight percent of the fully formulated lubricating oil composition.

Claim 2. (canceled)

Claim 3. (original) The composition of claim 1 wherein the synthetic ester stock is the esterification product of technical pentaerythritol and a mixture of C₄ to C₁₂ carboxylic acids.

Claim 4. (canceled)

Claim 5. (canceled)

Claim 6. (canceled)

Claim 7. (canceled)

Claim 8. (currently amended) A method for enhancing the load-carrying capacity and the oxidative/corrosion stability of a synthetic ester base stock aviation turbine oil lubricant composition oil by adding to said lubricant an additive comprising DITMPA and tolutriazole wherein the total weight of the DITMPA comprises from about 0.03 to about 0.10 weight percent of the fully formulated lubricating oil composition and the total weight of the tolutriazole comprises from about 0.05 to about 0.10 weight percent of the fully formulated lubricating oil composition.

Claim 9. (canceled)

Claim 10. (canceled)

Claim 11. (canceled)

Claim 12. (canceled)

Claim 13. (original) The method of claim 8 wherein the synthetic ester based turbine oil stock is the esterification product of an aliphatic polyol containing 4 to 15 carbon atoms and from 2 to 8 esterifiable hydroxyl groups reacted with a carboxylic acid containing from 4 to 12 carbon atoms.

Claim 14. (original) The method of claim 8 wherein the synthetic ester based turbine oil stock is the esterification product of technical pentaerythritol and a mixture of C₄ to C₁₂ carboxylic acids.

Claim 15. (canceled)

Claim 16. (canceled)

Claim 17. (canceled)

Claim 18. (currently amended) An aviation turbine oil lubricant composition exhibiting enhanced load-carrying capacity and oxidative/corrosion stability said lubricant composition comprising:

- (a) a synthetic ester based stock which is the esterification product of technical pentaerythritol and a mixture of C₄ to C₁₂ carboxylic acids,
- (b) from about 0.03 to 0.10 ~~0.01 to about 0.40~~ weight percent 3-(di-isobutoxy-thiophosphonylsulfanyl)-2-methyl-propionic acid (DITMPA), and
- (c) from about 0.05 to 0.10 ~~0.01 to about 0.40~~ weight percent tolutriazole.

Claim 19. (canceled)

Claim 20. (canceled).